

GROUND-WATER LEVELS

CLARKE COUNTY

390348078035501. Local number, 46W175.

LOCATION.--Lat 39°03'48", long 78°03'55", Hydrologic Unit 02070007, 1.5 mi east of the intersection of U.S. Highways 17/50 and 340 at Blandy Experimental Farm. Owner: University of Virginia.

AQUIFER.--Conococheague Limestone of Middle Cambrian age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in., depth 80.4 ft, cased to 24 ft, open hole 24 to 80.4 ft.

INSTRUMENTATION.--Electronic data logger 60-minute record interval. Prior to February 28, 2000, digital recorder 60-minute punch.

DATUM.--Elevation of land-surface datum is 600 ft above sea level, from topographic map. Measuring point: Top of casing, 3.7 ft above land-surface datum.

REMARKS.--Missing record due to recorder malfunction.

PERIOD OF RECORD.--July 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 24.63 ft below land-surface datum, Apr. 1, 1998, may have gone higher during period of missing record, Jan. 16 to Apr. 1, 1998; lowest recorded, 44.51 ft below land-surface datum, Feb. 11, 13-16, 1992.

EXTREMES FOR CURRENT YEAR.--Highest instantaneous water level, 35.51 ft below land-surface datum, Oct. 9-11; lowest instantaneous water level, 41.03 ft below land-surface datum, Sep. 19, 25.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.22	37.23	38.46	37.85	39.00	37.27	36.45	36.93	38.17	---	39.53	40.67
10	35.51	37.44	38.61	38.05	39.06	37.56	36.41	37.14	38.40	---	39.54	40.72
15	35.80	37.67	37.97	38.27	38.88	37.74	36.45	37.27	38.53	---	39.76	41.00
20	36.19	37.88	37.31	38.44	37.74	37.92	36.54	37.50	38.60	---	39.98	40.84
25	36.60	38.10	37.28	38.63	36.97	36.26	36.45	37.72	38.80	---	40.21	41.03
EOM	37.01	38.31	37.56	38.84	37.06	36.14	36.65	37.97	38.30	---	40.49	40.59

